

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Previously Presented) A hard disk drive according to claim 26, further comprising command transmitting means, based on the recognition of the recognizing means, for transmitting a command requesting the growth program to the parent hard disk drive.

3. (Previously Presented) A hard disk drive according to claim 26, further comprising storing means for storing in a memory the growth program executed by the execution means;

wherein, if the hard disk drive is thereafter connected to another hard disk drive in which the optimization/inspection process has not yet been completed, the growth program stored in the storing means is supplied to the another hard disk drive.

4. (Previously Presented) A hard disk drive according to claim 26, wherein: circuitry on the parent hard disk drive controls a predetermined part of the optimization/inspection process to be executed by the execution means.

5. (Currently Amended) A hard disk drive comprising:
logic for sending a request command for a growth program to an optimized hard disk drive on which the growth program has at least been partially executed, wherein the growth program contains instructions for performing at least one process of a writing process of writing servo information onto a disk of the hard disk drive, a pretest process that optimizes parameters of servo systems and/or channel systems of the hard disk drive, and a verification test process that verifies whether the optimized parameters provide design values for operation of the hard disk drive;

a ROM that stores a basic program that receives a the growth program for performing self-optimization;

a MPU for receiving the growth program according to the basic program stored in the ROM, and performing the instructions of self-optimization by the received growth program; and

a connector for connecting to a non-optimized hard disk drive that has a disk that has not been optimized and for transmitting the growth program to the non-optimized hard disk drive.

6. (Currently Amended) A hard disk drive according to claim 5, wherein: the basic program stored in the ROM includes a function of recognizing that the hard disk drive is in a state in which the self-optimization growth program has not yet been performed; and

the MPU recognizes its own state according to the basic program.

7. (Previously Presented) A hard disk drive according to claim 5, wherein: the basic program stored in the ROM includes a function for transmitting the command requesting the growth program to the optimized hard disk drive to be connected.

8. (Currently Amended) A hard disk drive according to claim 5, wherein: after execution of the growth program ~~the optimization~~ ends, the MPU stores the growth program in a predetermined memory.

9. (Canceled)

10. (Previously Presented) A hard disk drive according to claim 28, further comprising:

receiving means for receiving a request command for the first program from the unfinished hard disk drive;

wherein the supplying means supplies the first program on the basis of the request command received by the receiving means.

11. (Previously Presented) A hard disk drive according to claim 28, wherein:
said first program includes a function of executing optimization/inspection
processing, and the hard disk drive further includes execution means for executing part of the
optimization/inspection processing on the unfinished hard disk drive.

12. (Currently Amended) A hard-disk-drive optimization method, using a
first hard disk drive where an optimization processing has already been completed, for executing
the optimization processing on a second hard disk drive where the optimization processing has
not yet been completed, said method comprising ~~the steps of:~~

completing an optimization processing of the first hard drive with information
used for optimization, wherein the optimization processing includes optimizing parameters of
servo systems and/or channel systems of the first hard drive;

supplying the information used for optimization, which is included in the first
hard disk drive, from the first hard disk drive to the second hard disk drive; and

controlling, according to the supplied information used for optimization, the
second hard disk drive to execute processes so as to mature into an optimized hard disk drive.

13. (Original) A hard-disk-drive optimization method according to claim 12,
further comprising the steps of:

recognizing by the second hard disk drive itself that the optimization processing
to be performed on the second hard disk drive has not yet been completed; and

issuing, according to the recognition, a command requesting the information used
for optimization to the first hard disk drive.

14. (Canceled)

15. (Original) A hard-disk-drive optimization method according to claim 12,
further comprising the step of:

after the second hard disk drive has completed the optimization processing, supplying the information used for optimization from the second hard disk drive to a third hard disk drive in which the optimization processing has not yet been completed.

16. (Previously Presented) A hard-disk-drive optimization method according to claim 12, wherein:

the information used for optimization, which is supplied from the first hard disk drive, includes a growth program by which the second hard disk drive executes optimization processes.

17. (Previously Presented) A hard-disk-drive optimization method according to claim 16, wherein:

the information used for optimization, which is supplied from the first hard disk drive, includes a test code possessed by the first hard disk drive.

18. (Original) A hard-disk-drive optimization method according to Claim 12, wherein:

the first hard disk drive executes part of the optimization processing to be executed by the second hard disk drive.

19-21. (Canceled)

22. (Previously Presented) A computer readable medium according to claim 27, wherein:

the recognizing function recognizes that the optimization/inspection process to be performed on the hard disk device has not yet been completed, by checking whether or not information specific to the hard disk drive is stored, or by checking whether or not servo information is written to a disk of the hard disk device.

23. (Currently Amended) A computer readable medium encoded with program instructions for controlling a processor built into a hard disk drive to implement the functions of:

receiving, at the hard disk drive from another hard disk drive in which a optimization/inspection process has only been partially completed, a request for a growth program by which the another hard disk drive executes the optimization/inspection process by itself, wherein the growth program contains instructions for performing at least one process of a writing process of writing servo information onto a disk of the hard disk drive, a pretest process that optimizes parameters of servo systems and/or channel systems of the hard disk drive, and a verification test process that verifies whether the optimized parameters provide design values for operation of the hard disk drive;

reading out the growth program stored in a memory of the hard disk drive; and
supplying the another hard disk drive with the growth program read out.

24. (Previously Presented) A computer readable medium according to claim 23, further implementing the function of:

executing a part of the optimization/inspection process of the another hard disk drive.

25. (Currently Amended) A computer readable medium encoded with program instructions for controlling a processor built into a hard disk drive to implement the functions of:

writing servo information to a disk of the hard disk drive by use of information exported from another hard disk drive;

executing an inspection process on the hard disk drive by use of the information exported from the another hard disk drive, wherein the inspection process involves reading out the servo information written to the disk of the hard disk; and

exporting information to a third hard disk drive for the third disk drive to execute an inspection process.

26. (Currently Amended) A hard disk drive comprising:

recognizing means used for recognizing that an optimization/inspection process to be performed on the hard disk device has not yet been completed;

growth-program receiving means, based on the recognition of the recognizing means, for receiving from a parent hard disk drive connected to the hard disk drive a growth program necessary for performing the optimization/inspection process on the hard disk drive itself, wherein the growth program contains instructions for performing at least one process of a writing process of writing servo information onto a disk of the hard disk drive, a pretest process that optimizes parameters of servo systems and/or channel systems of the hard disk drive, and a verification test process that verifies whether the optimized parameters provide design values for operation of the hard disk drive; and

execution means, based on the growth program received by the growth-program receiving means, for executing the optimization/inspection process on the hard disk drive itself, wherein the recognizing means checks one or more values stored in an EEPROM of the hard disk drive to recognize that an optimization/inspection process to be performed on the hard disk device has not yet been completed.

27. (Currently Amended) A computer readable medium encoded with

program instructions for controlling a processor built into a hard disk drive to implement the functions of:

recognizing that an optimization/inspection process to be performed on the hard disk drive has not yet been completed;

requesting, based on the recognition, another hard disk drive to supply a growth program that is required to perform the optimization/inspection process by the hard disk drive itself, wherein the growth program contains instructions for performing at least one process of a writing process of writing servo information onto a disk of the hard disk drive, a pretest process that optimizes parameters of servo systems and/or channel systems of the hard disk drive, and a verification test process that verifies whether the optimized parameters provide design values for operation of the hard disk drive; and

receiving, based on the request, the growth program supplied from said another hard disk drive, wherein the optimization/inspection process is such that it is required to be executed prior to writing any user data to magnetic disks of the hard disk drive.

28. (Currently Amended) A hard disk drive comprising:

connection means adapted to be connected to an unfinished hard disk drive where servo information is not written to a disk of the unfinished hard disk drive;

storing means for storing a first program by which the unfinished hard disk drive writes servo information to at least one disk of the unfinished hard disk drive and by which the hard disk drive writes servo information to at least one disk of the hard disk drive;

supplying means for supplying the unfinished hard disk drive with the first program stored in the storing means; and

requesting means for sending a request command for the first program from a finished hard disk drive where servo information has been written to at least one disk of the finished hard disk drive.

29. (Previously Presented) A hard-disk-drive optimization method according to claim 12, wherein the optimization of the second hard disk drive includes writing servo information to a disk of the second hard disk itself.

30. (Previously Presented) A hard-disk-drive optimization method according to claim 12, wherein the optimization of the second hard disk drive includes performing an inspection on the second hard disk itself.

31. (Previously Presented) A hard disk drive according to claim 28, further comprising a ROM that stores a basic program that receives the first program.

32. (Previously Presented) A hard disk drive according to claim 31, wherein the basic program includes a function of recognizing that the hard disk drive is in a state in which the servo information has not been written to at least one disk of the hard disk drive; and further

comprising an MPU that performs the writing of the servo information and that recognizes its own state according to the first program.

33. (Previously Presented) A hard disk drive according to claim 32, wherein after the optimization ends, the MPU stores the first program in a predetermined memory.